AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 9, line 13 and ending on page 10, line 4 with the following rewritten paragraph:

The synthesis of the DNA enzyme including the nucleotide residue, according to the present invention, can be conducted in accordance with known techniques, e.g., techniques described in The Journal of Organic Chemistry 62. 846-852 (1997), Tetrahedron Letters 39, pp. 9015-9018, 1998 ~~Tetrahedron Letters 39. 9019-9022 (1998)~~, and Angewandte Chemie International edition 40. 2671-2673 (2001). Phosphoamidite monomers corresponding to individual nucleotide residues are synthesized, a known DNA synthesizer is used and, thereby, DNA enzymes including desired nucleotide residues can be synthesized. In this case, polymethylene chains having various lengths can be used. However, an unsubstituted or an alkyl-substituted ethylene chain or a trimethylene chain is preferable. In this case, preferably, an organic group to be introduced is introduced as if to form a covalent bond to any one of carbon atoms for the ethylene chain, or to a central carbon atom for the trimethylene chain.